

FIG.1

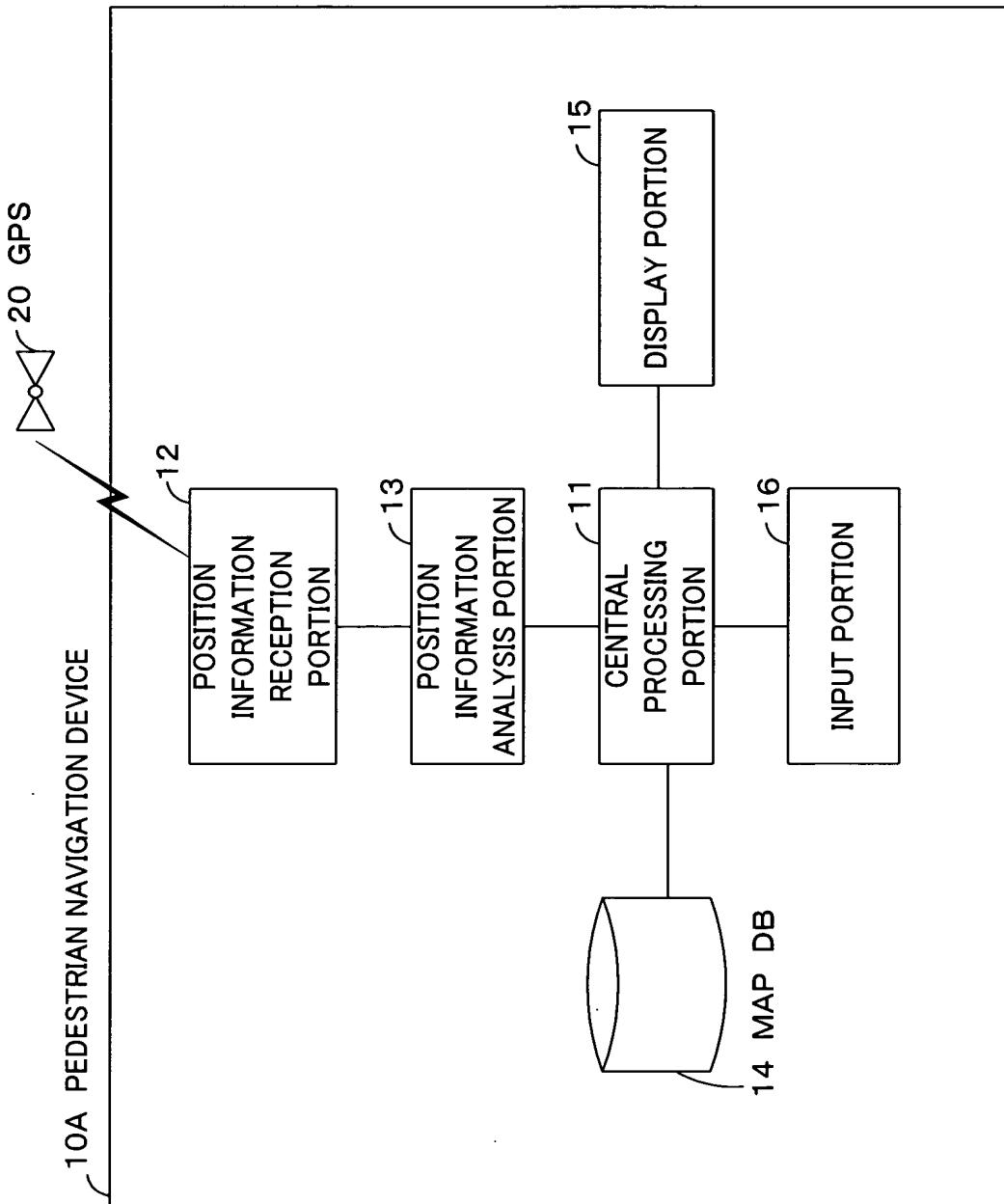


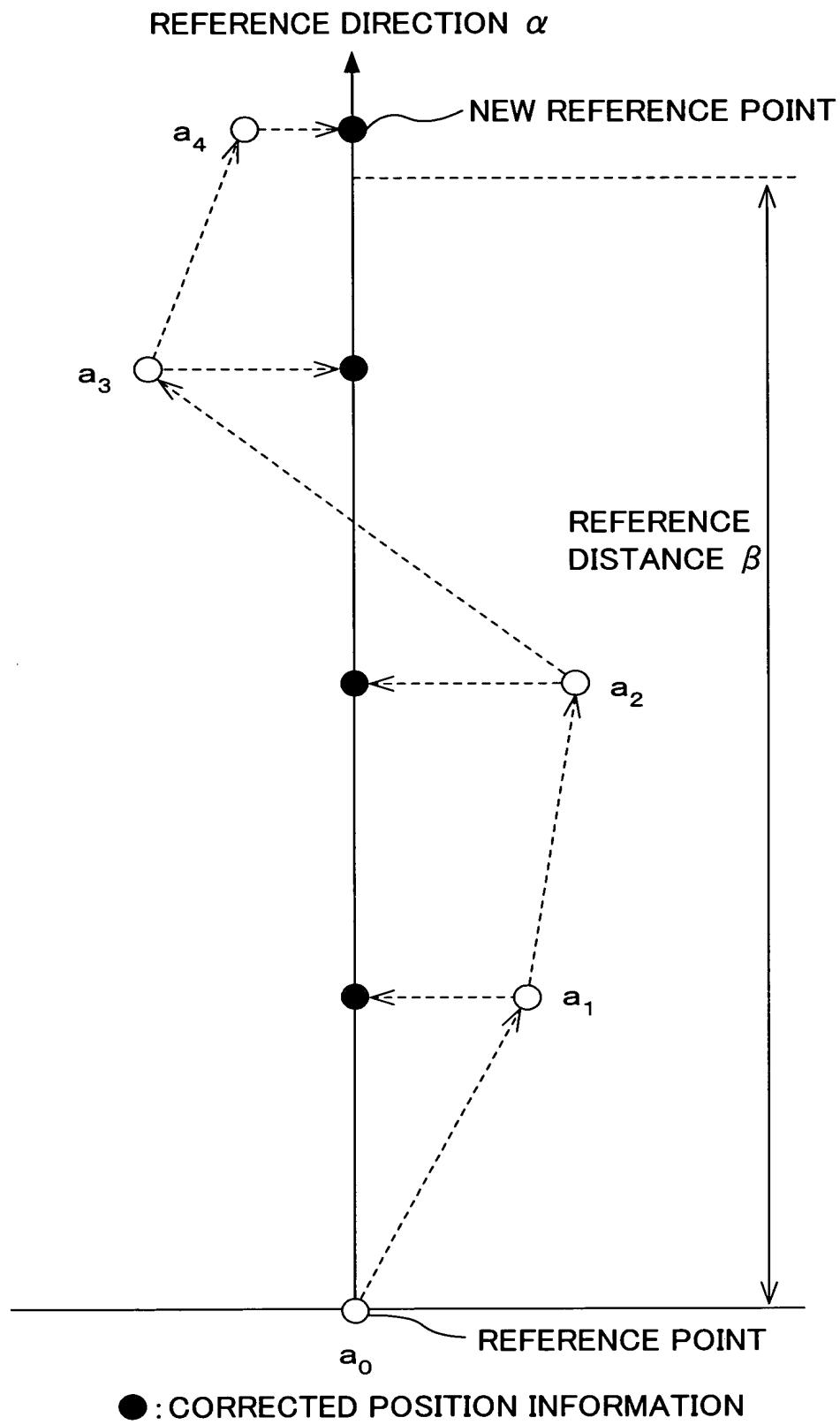
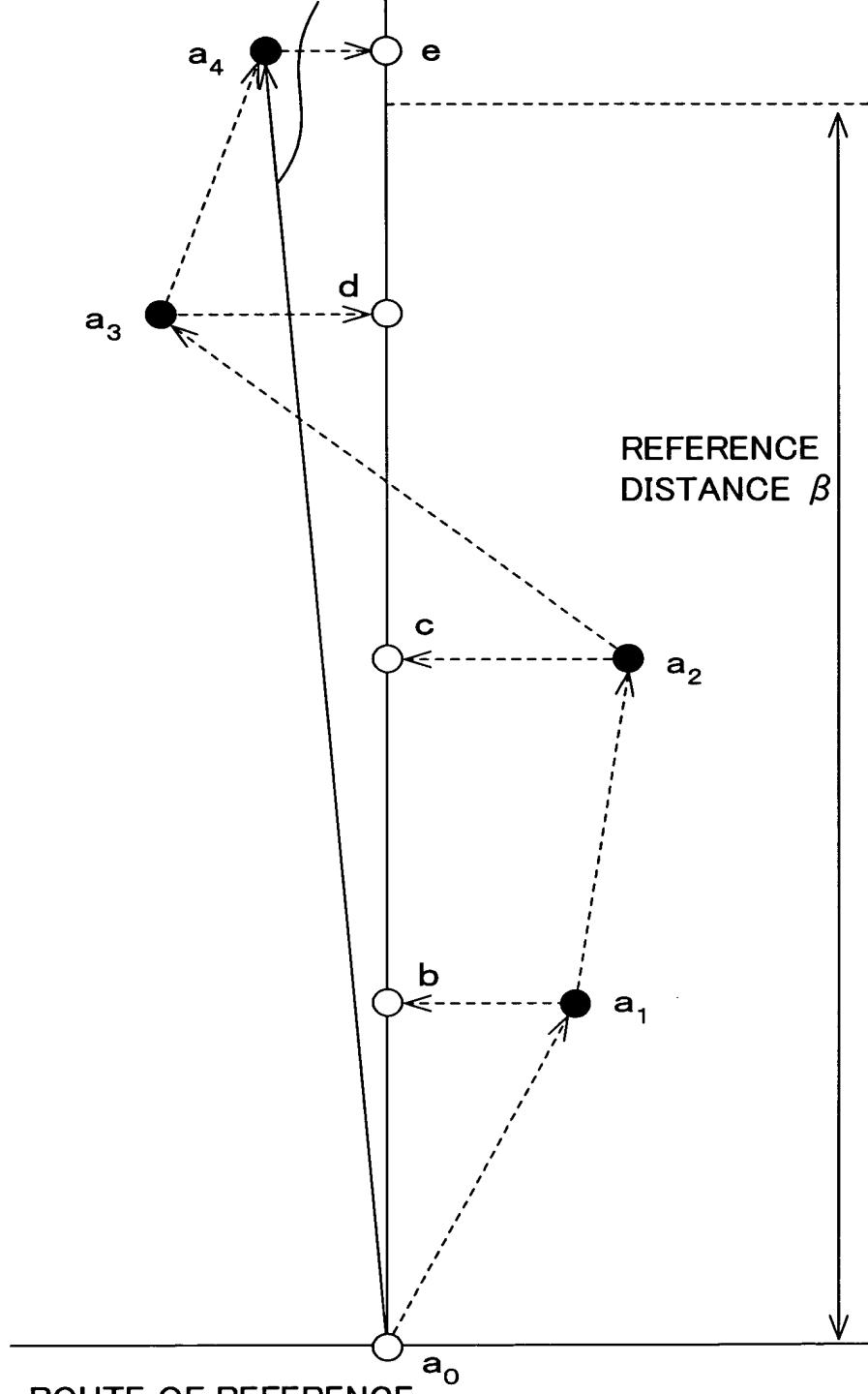
FIG.2

FIG.3

NEW REFERENCE DIRECTION
REFERENCE DIRECTION α

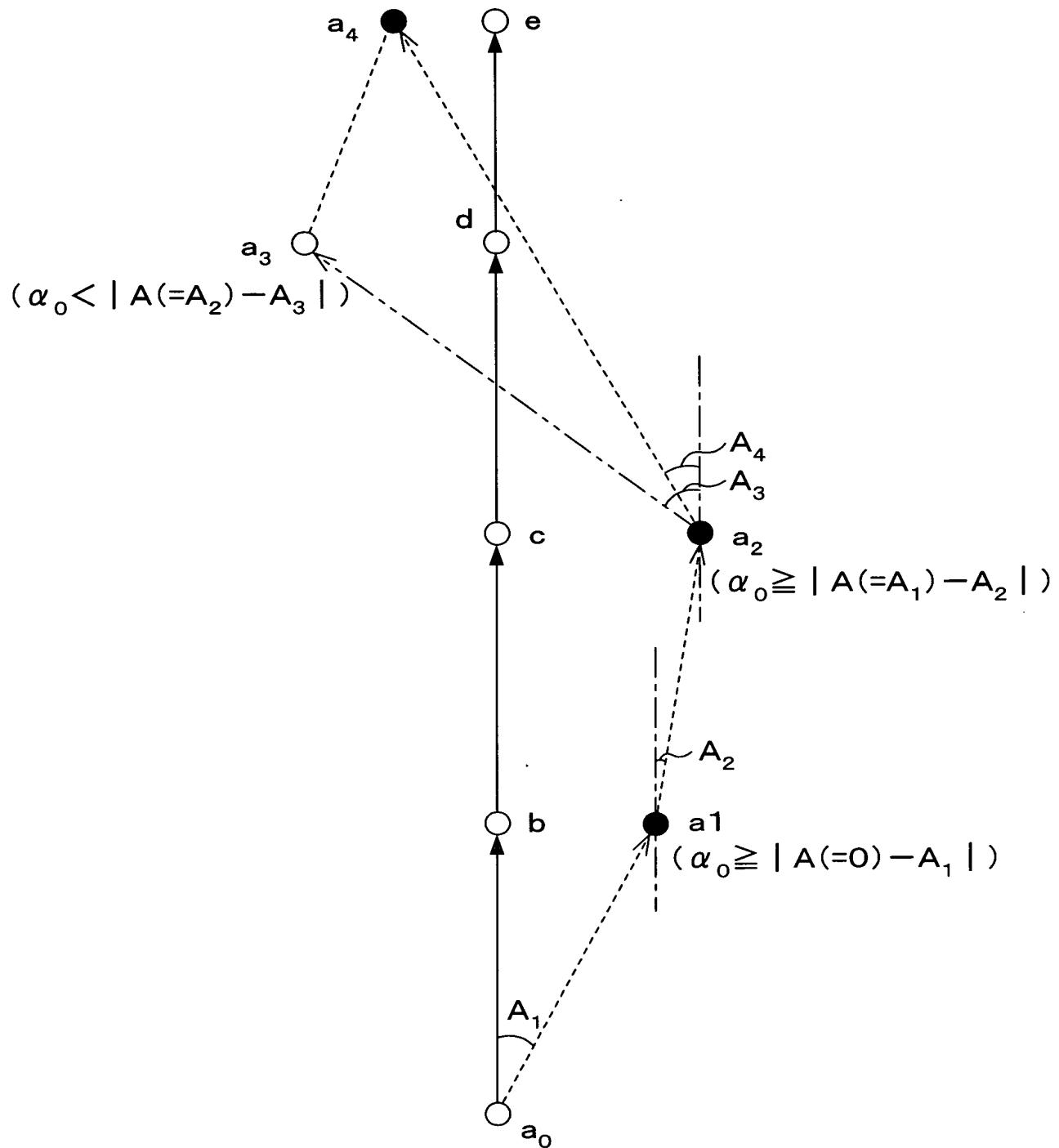


ROUTE OF REFERENCE

DIRECTION: $a_0 \rightarrow b \rightarrow c \rightarrow d \rightarrow e$ DISPLAYED ROUTE: $a_0 \rightarrow a_1 \rightarrow a_2 \rightarrow a_3 \rightarrow a_4 \rightarrow e$ OR $a_0 \rightarrow b \rightarrow c \rightarrow d \rightarrow e$

FIG.4

$$(\alpha_0 \geq |A(=A_2) - A_4|)$$



ACTUAL MOVEMENT ROUTE: $a_0 \rightarrow b \rightarrow c \rightarrow d \rightarrow e$

DISPLAYED ROUTE: $a_0 \rightarrow a_1 \rightarrow a_2 \rightarrow a_4$

TOLERANCE ANGLE: α_0

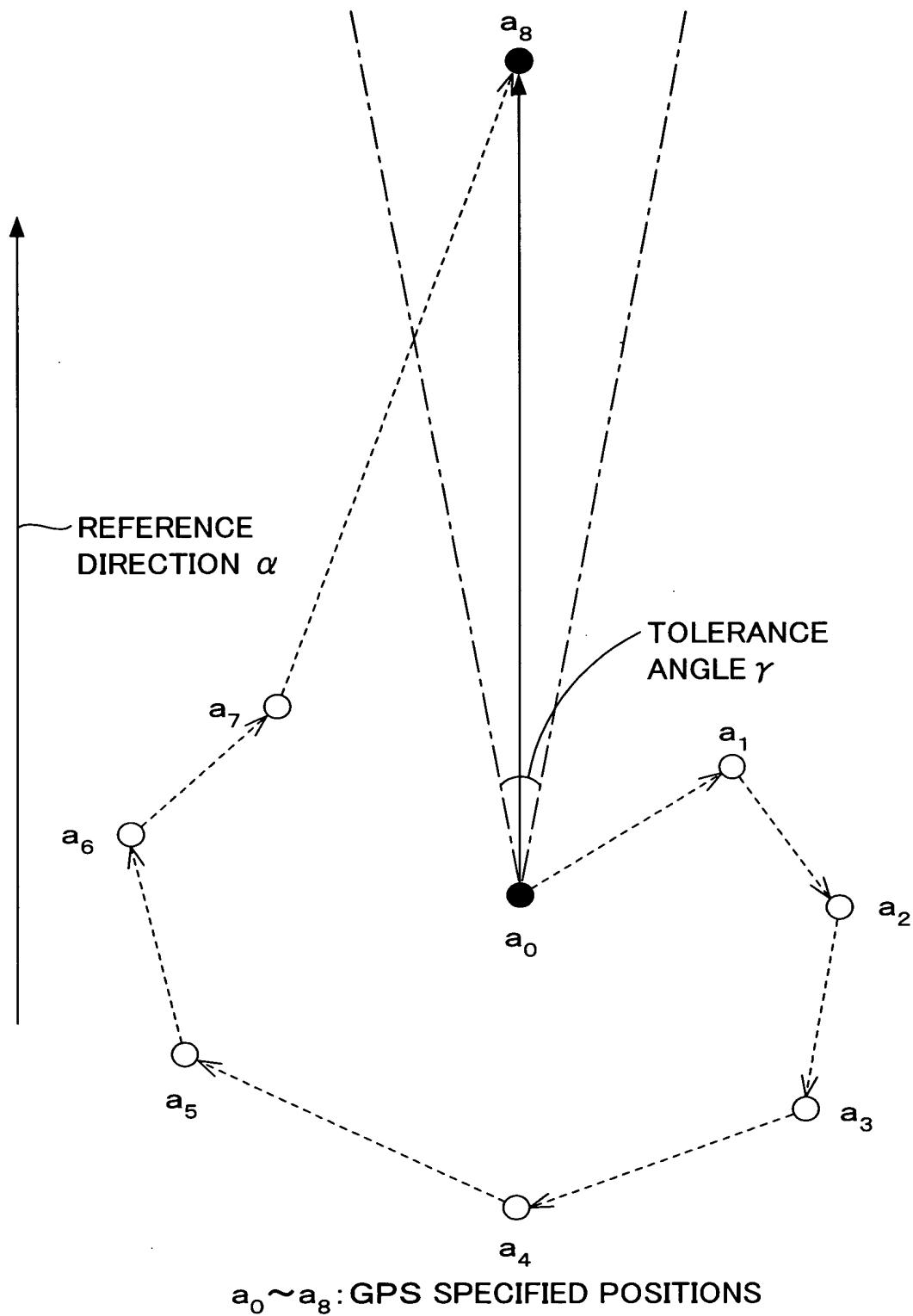
FIG.5

FIG.6

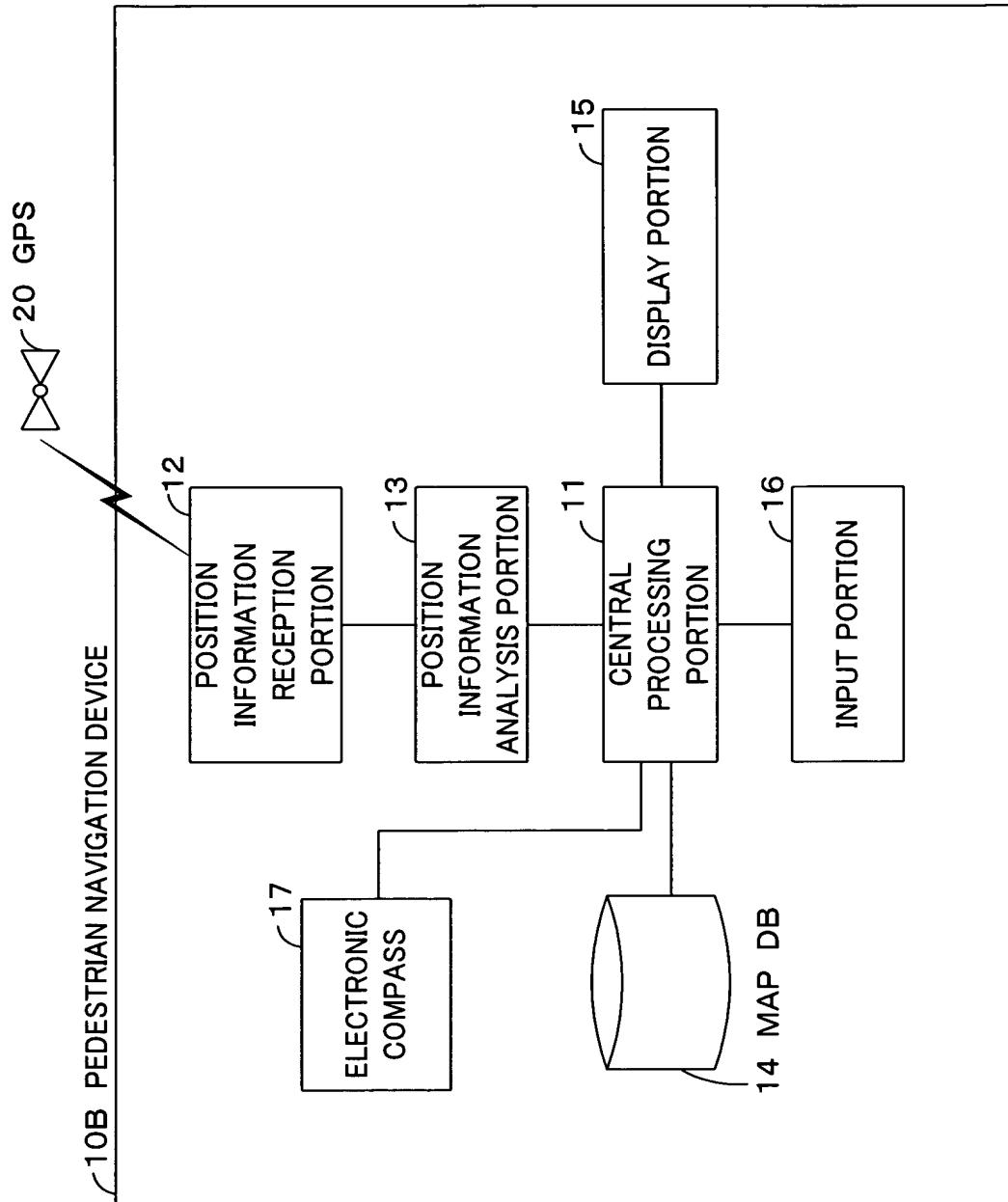


FIG.7

ELECTRONIC COMPASS DIRECTION

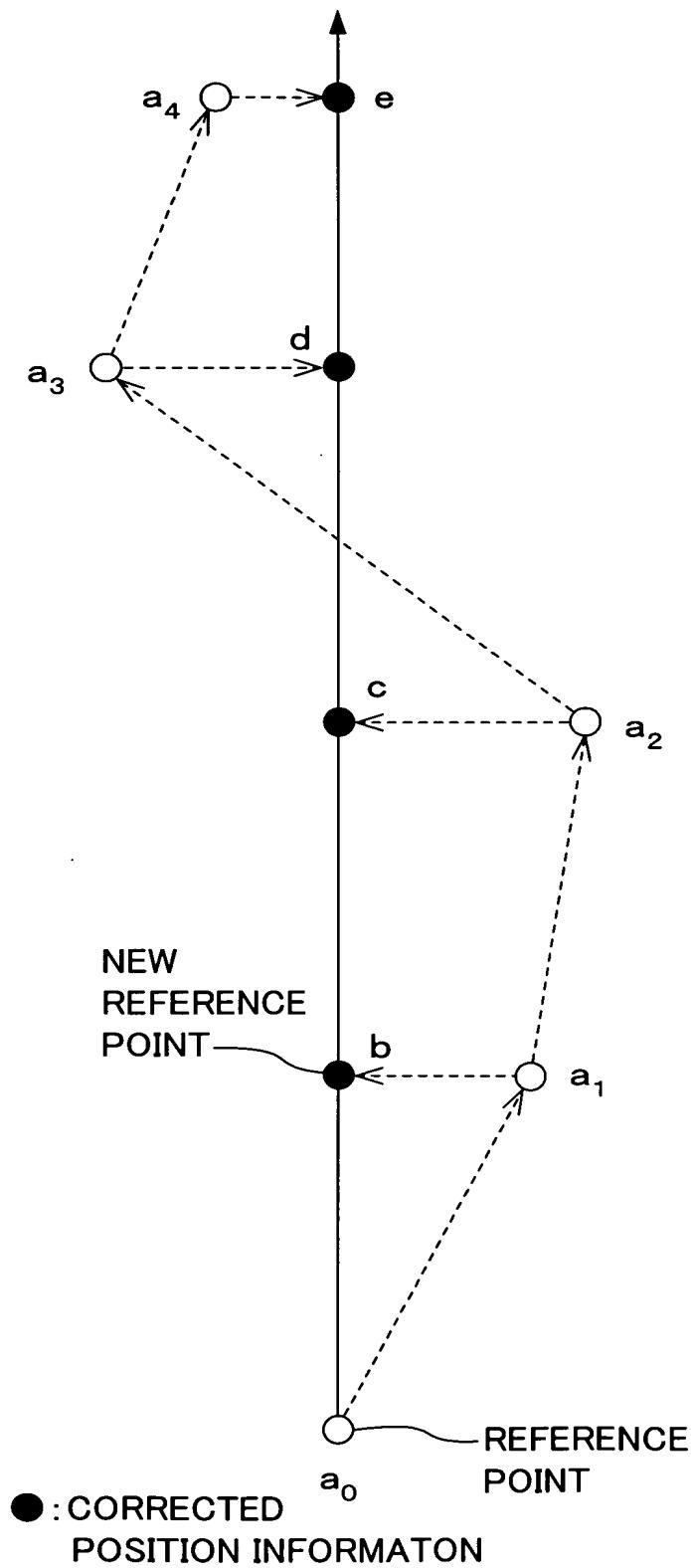
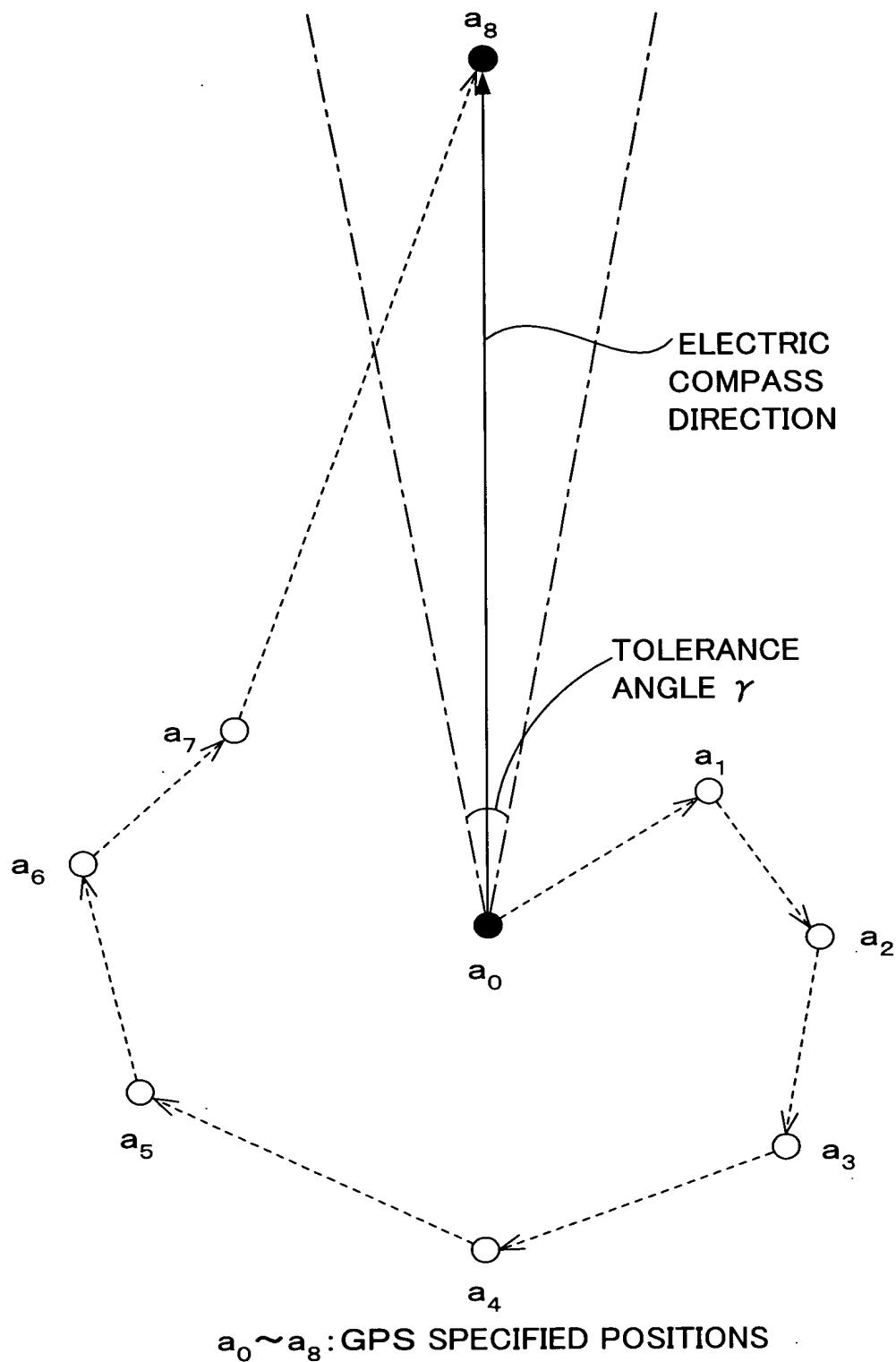


FIG.8

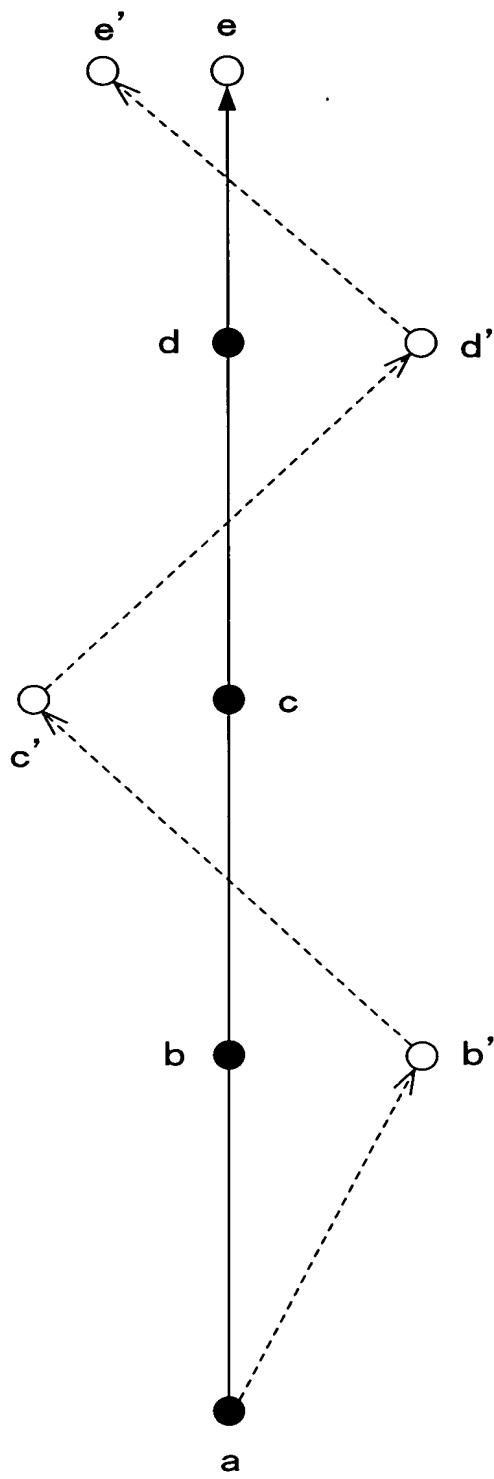


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FIG.9



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FIG.10